

What is claimed is:

5 1. A software product for a computer system to record a transaction for a user operating a web browser wherein the transaction is used for automated testing of an Internet server system, the software product comprising:

10 proxy instructions configured to direct a processor to receive a first request from the web browser, transfer the first request to the Internet, receive a response to the first request from the Internet, transfer the response to the web browser, receive a second request from the web browser, and transfer the second request to the Internet;

15 response instructions configured to direct the processor to search the response for a secure address and if the response includes the secure address then replace the secure address with a non-secure address and identifying characters;

20 request instructions configured to direct the processor to record the second request as a new page if the second request is for a new page and to replace the non-secure address and the identifying characters with the secure address if the second request is for the non-secure address and the identifying characters; and

a storage medium configured to store the proxy instructions, the response instructions, and the request instructions.

2. The software product of claim 1 wherein:

the response instructions are further configured to direct the processor to search the first response for embedded objects and if the first response includes any of the embedded objects then to add corresponding embedded object addresses to a list; and

the request instructions are further configured to direct the processor to record the second request as a new page if the second request is not for any of the embedded object addresses on the list.

3. The software product of claim 2 wherein the request instructions are further configured to direct the processor to clear the list if the second request is not for any of the embedded object addresses on the list.

4. The software product of claim 1 wherein the request instructions are further configured to direct the processor to record Uniform Resource Locators for the first request and the second request.

5. The software product of claim 1 wherein the request instructions are further configured to direct the processor to record a sequence of the first request and the second request.

6. The software product of claim 1 wherein the request instructions are further configured to direct the processor to record an elapsed time between the first request and the second request.

7. The software product of claim 1 wherein the request instructions are further configured to direct the processor to record user input within the first request and the second request.

8. The software product of claim 1 wherein the transaction is a purchase from the Internet server system.

9. The software product of claim 1 wherein the first request and the second request comprise Hypertext Transfer Protocol requests, the secure address and the non-secure address comprise Uniform Resource Locators, and the response comprises a Hypertext Markup Language page.

10. The software product of claim 1 wherein the response instructions are further configured to direct the processor to search a header in the first response for a special instruction and if the header includes the special instructions then to record the special instruction.

11. A method of operating a computer system to record a transaction for a user operating a web browser wherein the transaction is used for automated testing of an Internet server system, the method comprising:

receiving a first request from the web browser and transferring the first request to the Internet;

receiving a response to the first request from the Internet and searching the response for a secure address;

if the response includes the secure address, then replacing the secure address with a non-secure address and identifying characters;

5 transferring the response to the web browser and receiving a second request from the web browser;

if the second request is for a new page, then recording the second request as a new page;

10 if the second request is for the non-secure address and the identifying characters, then replacing the non-secure address and the identifying characters with the secure address; and

transferring the second request to the Internet.

12. The method of claim 11 further comprising:

15 searching the first response for embedded objects, and if the first response includes any of the embedded objects, then adding corresponding embedded object addresses to a list; and wherein

20 recording the second request if the second request is for a new page comprises recording the second request if the second request is not for any of the embedded object addresses on the list.

13. The method of claim 12 further comprising clearing the list if the second request is not for any of the embedded object addresses on the list.

14. The method of claim 11 further comprising recording Uniform Resource Locators for the first request and the second request.

15. The method of claim 11 further comprising recording a sequence of the first request and the second request.

16. The method of claim 11 further comprising recording an elapsed time between the first request and the second request.

17. The method of claim 11 further comprising recording user input within the first request and the second request.

18. The method of claim 11 wherein the transaction is a purchase from the Internet server system.

19. The method of claim 11 wherein the first request and the second request comprise Hypertext Transfer Protocol requests, the secure address and the non-secure address comprise Uniform Resource Locators, and the response comprises a Hypertext Markup Language page.

20. The method of claim 11 further comprising searching a header in the first response for a special instruction, and if the header includes the special instructions, then recording the special instruction.